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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of:) Docket No.: ATMI-546 CIP1 (7494)
Applicant: Frank DIMEO, Jr., et al.) Examiner J.M. St. Surin
Serial No.: 10/784,606) Group Art Unit: 2856
Date Filed: February 23, 2004) Confirm. No. 8335
Title: NICKEL-COATED FREE-STANDING SILICON CARBIDE STRUCTURE FOR SENSING FLUORO OR HALOGEN SPECIES IN SEMICONDUCTOR PROCESSING SYSTEMS, AND PROCESSES OF MAKING AND USING SAME) Customer No.: 25559

FACSIMILE TRANSMISSION CERTIFICATE

I hereby certify that I am filing this document in the U.S. Patent and Trademark Office on March 22, 2005, by facsimile transmission, and addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 and transmitted to USPTO Central Facsimile No. (703) 872-9306.

11
Number of Pages Transmitted


Yongzhi Yang

March 22, 2005
Date

**RESPONSE TO FEBRUARY 24, 2005 OFFICE ACTION
IN U. S. PATENT APPLICATION NO. 10/784,606**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This responds to the February 24, 2005 Office Action in the above-identified U.S. patent application. Please amend the claims as set out in the following **Section I (Amendments to the Claims)**. Remarks relating to the Office Action and amendments made herein are set out in **Section II (Remarks)** hereof.